

Appl. No. 09/717,445
Reply to Office Action of July 30, 2003
Docket No. 5677-142

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claims 1-43 (canceled)

Claim 44. (currently amended) A food comprising a ~~mixture of cocoa polyphenols as~~ therapeutically effective amount of a food additive, wherein the food additive comprises a mixture of cocoa polyphenols, the cocoa polyphenol mixture comprising which mixture comprises catechin, epicatechin, and cocoa procyanidin oligomers thereof and being and which mixture is prepared by reducing cocoa beans to a cocoa powder, defatting the cocoa powder, and extracting the cocoa polyphenols from the cocoa powder.

Claim 45. (canceled)

Claim 46. (original) The food of Claim 44, wherein the procyanidin oligomers are selected from the group consisting of dimers through dodecamers.

Claim 47. (currently amended) The food of Claim 44, wherein the cocoa ~~extract is~~ polyphenols are fractionated into cocoa procyanidin fractions containing monomers, dimers, trimers, tetramers, pentamers, hexamers, heptamers, octamers, nonamers, decamers, undecamers, and dodecamers.

Claim 48. (original) The food of Claim 47, wherein two or more of the cocoa fractions are pooled.

Claim 49. (canceled)

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Claim 50. (original) The food of Claim 59, wherein the freeze dried cocoa beans are unfermented cocoa beans.

Claim 51. (original) The food of Claim 59, wherein the freeze dried cocoa beans are partially fermented cocoa beans.

Claim 52. (original) The food of Claim 59, wherein the freeze dried cocoa beans are fermented cocoa beans.

Claim 53. (original) The food of Claim 44, wherein the extracting is carried out with acetone and water, methanol and water, or ethyl acetate.

Claim 54. (original) The food of Claim 44, wherein the cocoa extract is partially purified by gel permeation chromatography and/or high pressure liquid chromatography.

Claim 55. (original) The food of Claim 54, wherein the partially purified cocoa extract is a xanthine-alkaloid free cocoa extract.

Claim 56. (cancelled)

Claim 57. (cancelled)

Claim 58. (cancelled)

Claim 59. (original) The food of Claim 44, wherein reducing the cocoa beans to the cocoa powder comprises the steps of freeze drying the cocoa beans and pulp, depulping the freeze dried cocoa mass, dehulling the freeze dried cocoa beans, and grinding the dehulled cocoa beans.